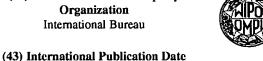
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(71) Applicant (for all designated States except US): THE UNIVERSITY OF HULL [GB/GB]; Cottingham Road, Hull, North Humberside HU6 7RX (GB).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): KELLY, Stephen, Malcolm [GB/GB]; 25 Richmond Way, Beverley, East Yorkshire HU17 8XA (GB). O'NEILL, Mary [GB/GB]; 33 Wellesley Avenue, Berverly Road, Hull HU17 8XA (GB).
- (74) Agent: ATKINSON, Peter, Birch; Marks & Clerk, 83-85 Mosley Street, Manchester M2 3LG (GB).

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Declaration under Rule 4.17:

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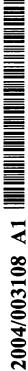
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(54) Title: LUMINESCENT COMPOSITIONS

(57) Abstract: A composition capable of emitting circularly polarised light comprises a medium including a chiral, helical liquid crystalline phase with a substantially fixed, temperature independent helical pitch. The liquid crystalline phase is comprised of calamatic liquid crystal molecules having a luminescent moiety and the composition is such that excitation of the luminescent moiety causes the medium to emit light in the bandwidth of selective reflection of the liquid crystalline phase. To achieve the substantially temperature independent helical pitch, the chiral helical liquid crystalline phase may be in the form of a glass or a polymerised network. The composition may be used to produce a light emitting device, e.g. and OLED.





INTERNATIONAL SEARCH REPORT

Internatic pplication No PCT/GB 03/02777

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C09K19/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Date of the actual completion of the international search 20 October 2003	Date of mailing of the international search report 05/11/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswljk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Serbetsoglou, A



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